



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005



Job No: CTCE/BBMP/NEW/W.No.14/GSB-1/AL/2017-18

Date 03.08.2017

TEST REPORT ON ATTERBERG LIMITS FOR GRANULAR SUB BASE

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore

* Agency : M/s. Mahendra Engineering Works, (Prop. G. Venkatesh),
No. 243, 15th D Cross, 2nd stage, 2nd phase, West of Chord Road,
Mahalakshmiapuram, Bangalore - 560 086

* Name of work : Improvements and asphaltting to 22nd Cross (Pipeline road) Bhuvaneshwari Nagara 1st
Main and 1st A Main road, Brundavana Extn., (from pipeline road) in Bagalagunte
Ward No: 14, Dasarahalli Sub Division, BBMP, Bangalore

* Reference : BBMP/DZ/AEE/TDSD/PR/96/2017-18 Dated: 20.07.2017

* Sample ID : GSB- (Coarse graded-I)

Technical Reference : IS : 2720 (Part - 5) 1985 (RA-2010), MORTH Table : 400-01

Date of Testing : 03.08.2017



Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit, %	21.85	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

* Information is furnished by the Customer/Representative

Note:

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the samples received at the laboratory.
- Any Query regarding the report must be reported within 30 days from the date of testing.



Shudagar
ಕರ್ನಾಟಕ ಕಾರ್ಪೊರೇಷನ್ ಆಧೀನದಲ್ಲಿ
ಬಿ.ಎಸ್.ಎಸ್.ಎಸ್. ಸರ್ಕಾರಿ
ಜಾಲರೂಟ, ಬಿ.ಎಸ್.ಎಸ್.
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Job No.: CTCE/BBMP/MEW/W.No.14/WMM/Gradation/2017-18

10.08.2017

TEST REPORT ON GRADATION OF WET MIX MACADAM

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

* Agency : M/s. Mahendra Engineering Works, (Prop. G. Venkatesh),
No. 243, 15th D Cross, 2nd stage, 2nd phase, West of Chord Road,
Mahalakshmpuram, Bangalore - 560 086.

* Name of Work : Improvements and asphaltting to 22nd Cross (Pipeline road) Bhuvaneshwari
Nagara 1st Main and 1st A Main road, Brundavana Extn., (from pipeline road) in
Bagalagunte Ward No. 14, Dasarahalli Sub Division, BBMP, Bangalore.

* Reference : BBMP/DZ/AEE/TDSD/PR/96/2017-18 Dated: 20.07.2017

Sample ID : Wet Mix Macadam

Technical Reference : IS 2386 (part-1)1963 (RA-2011)

Date of Testing : 10.08.2017



Oven Dry Wt (gm): 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits As per Morth Table 400-13
53	0	0	0	100	100
45	165	165	3.3	96.7	95-100
22.4	1560	1725	34.50	65.50	60-80
11.2	1010	2735	54.70	45.30	40-60
4.75	590	3325	66.50	33.50	25-40
2.36	485	3810	76.20	23.80	15-30
0.600	515	4325	86.50	13.50	8-22
0.075	530	4855	97.10	2.90	0-8

*Information is furnished by the Customer/Representative

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[Signature]
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Manager

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Job No.: CTCF/BBMP/MEW/W.No.14/WMM/AJV/2017-18

10.08.2017

TEST REPORT ON IMPACT VALUE OF AGGREGATE

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

* Agency : M/s. Mahendra Engineering Works, (Prop. G. Venkatesh),
No. 243, 15th D Cross, 2nd stage, 2nd phase, West of Chord Road,
Mahalakshmpuram, Bangalore - 560 086.

* Name of Work : Improvements and asphaltting to 22nd Cross (Pipeline road) Bhuvaneshwari
Nagara 1st Main and 1st A Main road, Brundavana Extn., (from pipeline road) in
Bagalagunte Ward No. 14, Dasarahalli Sub Division, BBMP, Bangalore

* Reference : BBMP/DZ/AEE/TDSD/PR/96/2017-18 Dated: 20.07.2017

* Sample ID : Wet Mix Macadam

Technical Reference : IS : 2386(Part -4)-1963 (RA-2011)

Date of Testing : 10.08.2017



Sl No.	Details	Trial No.		Average
		1	2	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	389	394	23.88
2	Weight of aggregate passing 2.36 mm sieve after the test = W_2 g	91	96	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	298	298	
4	Aggregate Impact value = percent fines $100 * (W_2/W_1) \%$	23.39	24.37	

*Information is furnished by the Customer/Representative.

Comments:

→ Maximum allowable Aggregate Impact value for Wet Mix Macadam is 30%.

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(Signature)

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ಮಹಾಶಯ್ಕ ಕಾರ್ತಿಕೇಯ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
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